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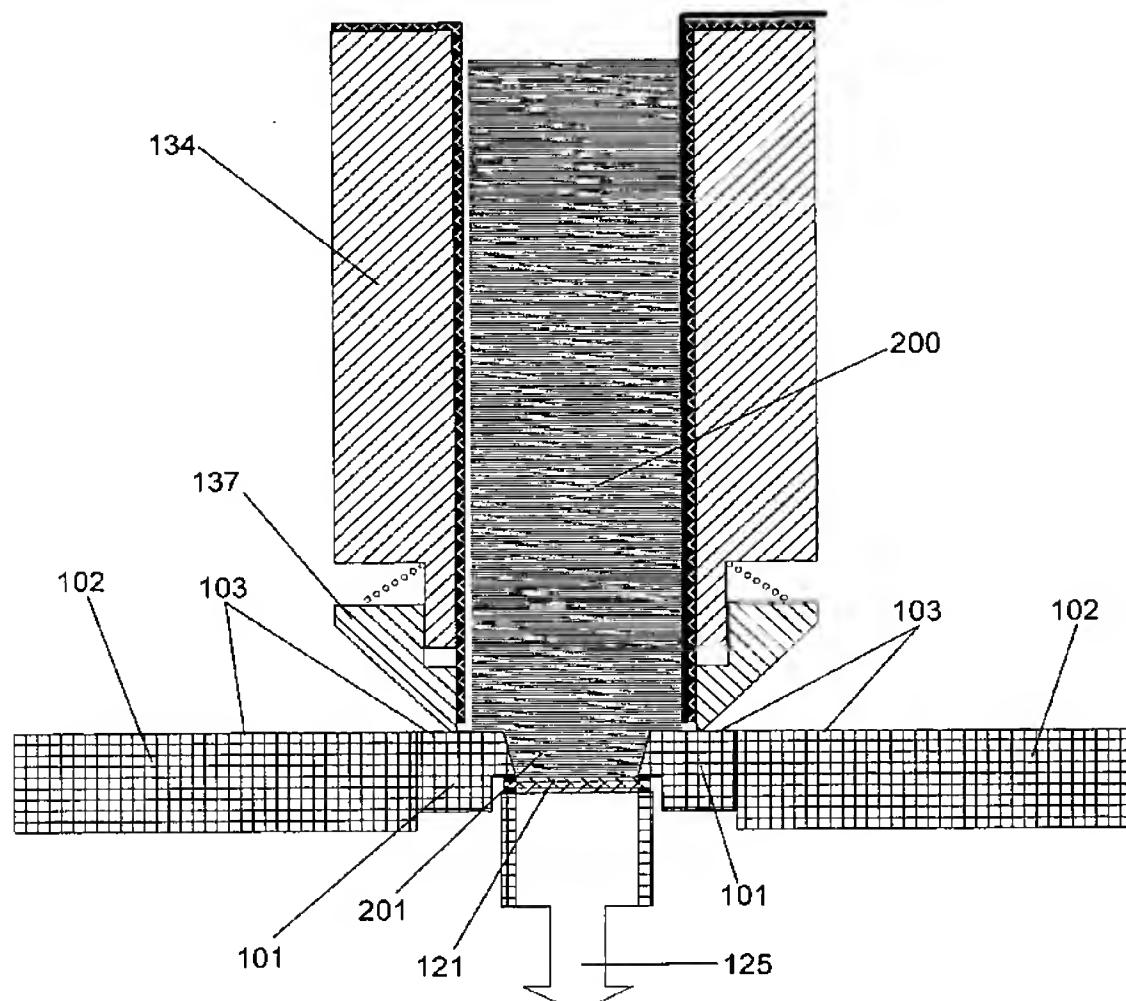
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(54) Title: A FEEDING CHAMBER, AN APPARATUS AND A METHOD FOR PRODUCTION OF DOSES OF DRY POWDER, A METHOD FOR CONTROLLING PARTICLE SEGREGATION IN DRY POWDER DURING FILLING



(57) Abstract: The invention discloses a method and an apparatus for exact metering and volumetric filling of dry powder medicament doses into preformed containers, which are adapted for administration by means of a dry powder inhaler (DPI). The filling apparatus of the invention includes at least a bulk powder source (401), a feeding chamber (134) and a receptacle (110) providing the volume for a specified load mass (202) of dry powder. The bulk powder source releases a portion of powder discontinuously to the feeding chamber, but is disconnected from the feeding chamber and receptacle during the filling operation. The filling apparatus further presents a plane surface (103) in contact with the movable feeding chamber and provides a hard-wearing, low friction coating for reducing dynamic friction and powder retention.

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